



<110> Korea Advanced Institute of Science and Technology

<120> CONSTRUCTION OF NOVEL STRAINS CONTAINING MINIMIZING
GENOME BY Tn5-COUPLED Cre/loxP EXCISION SYSTEM

<130> 02730.0020.PCUS00

<140> 10/505,328

<150> PCT/KR02/02033

<151> 2002-10-31

<150> KR 10-2002-0009647

<151> 2002-02-22

<160> 13

<170> KopatentIn 1.71

<210> 1

<211> 2437

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<213> Artificial Sequence

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<223> chemically synthesized TnKGloxP

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<210> 3
<211> 19
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<213> Artificial Sequence

<220>
<223> chemically synthesized OE sequence

<400> 3
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<210> 4
<211> 34
<212> DNA
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<220>
<223> chemically synthesized loxP site

<400> 4
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<210> 5
<211> 996
<212> DNA
<213> Artificial Sequence

<220>
<223> chemically synthesized KmR gene

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 <211> 1069
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> chemically synthesized CmR gene

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ccctgccact catgcagta ctgttgtaat tcattaagca ttctgccgac atggaagcca	180
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<220>
 <223> chemically synthesized primer-pMOD<MCS>FP-1

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<210> 11
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<220>
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<210> 12
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<210> 13

<211> 25

<212> DNA

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<223> chemically synthesized primer-Tn5Int

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25